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Substitute for form 1449A/PTO

Complete if Known**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 4

Application Number	10/707,898
Filing Date	01/22/2004
First Named Inventor	Saxler
Art Unit	2812
Examiner Name	
Attorney Docket Number	5000.387

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AC	1	US- 6,586,781	07-01-2003	Wu et al.	
	2	US- 6,548,333	04-15-2003	Smith	
	3	US- 6,316,793	11-13-2001	Sheppard et al.	
	4	US- 6,316,826	11-13-2001	Yamamoto et al.	
	5	US- 5,393,993	02-28-1995	Edmond et al.	
	6	US- 5,210,051	05-11-1993	Carter, Jr.	
	7	US- 5,523,589	06-04-1996	Edmond et al.	
	8	US- 6,583,454	06-24-2003	Sheppard et al.	
	9	US- 6,396,864	05-28-2002	O'Brien et al.	
	10	US- 6,497,763	12-24-2002	Kub et al.	
	11	US- 6,634,770	10-21-2003	Cao	
	12	US- 6,533,874	03-18-2003	Vaudo et al.	
	13	US- 5,373,171	12-13-1994	Imai et al.	
	14	US- 5,422,901	06-06-1995	Lebby et al.	
	15	US- 6,757,314	06-29-2004	Kneissl et al.	
	16	US- 6,692,568	02-17-2004	Cuomo et al.	
	17	US- 6,686,676	02-03-2004	McNulty et al.	
	18	US- 6,670,693	12-30-2003	Quick	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
AC	19	JP3295267 Abstract	12-26-1991	Seiko Epson Corp		
	20	JP2003037074 Abstract	02-07-2003	Toshiba Corp		
	21	JP2002265296 Abstract	09-18-2002	Kobe Steel Ltd		

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Sheet	2	of	4
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		Number-Kind Code ² (if known)			
Ae	22	US- 6,156,581	12-05-2000	Vaudo et al.	
	23	US- 6,150,239	11-21-2000	Goesele et al.	
	24	US- 5,872,415	02-16-1999	Dreifus et al.	
	25	US- 5,661,312	08-26-1997	Weitzel et al.	
	26	US- 5,382,822	01-17-1995	Stein	
	27	US- 5,311,055	05-10-1994	Goodman et al.	
	28	US- 5,030,583	07-09-1991	Beetz, Jr.	
	29	US- 5,006,914	04-09-1991	Beetz, Jr.	
	30	US- 2,938,136	05-24-1960	Fischer	
	31	US- 20020167023	11-14-2002	Chavarkar et al.	
	32	US- 20030102482	06-05-2003	Saxler	
	33	US- 20020182779	12-05-2002	Bewley et al.	
	34	US- 20030096507	05-22-2003	Baker et al.	
	35	US- 20020096104	07-25-2002	Yagi et al.	
	36	US- 20020117695	08-29-2002	Borges et al.	
	37	US- 20020123204	09-05-2002	Torvik	
	38	US- 20020086534	07-04-2002	Cuomo et al.	
	39	US- 20020078881	06-27-2002	Cuomo et al.	

FOREIGN PATENT DOCUMENTS

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First Named Inventor	Saxler
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Attorney Docket Number	5000.387

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		Number-Kind Code ² (if known)			
AC	40	US- 20020180351	12-05-2002	McNulty et al.	
	41	US- 20030219959	11-27-2003	Ghyselen et al.	
	42	US- 20030107045	06-12-2003	Eisert et al.	
	43	US- 20030127654	07-10-2003	Eisert et al.	
	44	US- 20040023468	02-05-2004	Ghyselen et al.	
AC	45	US- 20040051141	03-18-2004	Udrea	
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

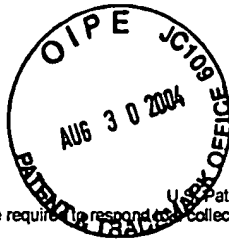
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete If Known	
				Application Number	10/851,507
				Filing Date	01/22/2004
				First Named Inventor	Saxler
				Art Unit	2812
				Examiner Name	
Sheet	4	of	4	Attorney Docket Number	5000.387

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AC	46	W. L. PRIBBLE, et al., Applications of SiC MESFETs and GaN HEMTs in Power Amplifier Design; 2002 IEEE MTT-S Digest, 30:1819-1822	
	47	S. ELHAMRI et al., Persistent Photoconductivity in a High Mobility two Dimensional Electron Gas in an AlGaIn/GaN Heterostructure; 2001 Mat. Res. Soc. Symp. Proc. Vol. 639, G7.6.1-G7.6.6	
	48	A. SAXLER, et al., Electroluminescence of III-Nitride Double Heterostructure Light Emitting Diodes with Silicon and Magnesium Doped InGaIn, Materials Science Forum Vols. 258-263 (1997), pp. 1229-1234	
	49	D. K. GASKILL, Summary of the Workshop on Bonded and Compliant Substrates, MRS Internet Journal, Nitride Semiconductor Research, 03-04-1998, 2 pages	
	50	G. K. CELLER et al., Frontiers of silicon-on-insulator, Journal of Applied Physics, Vol. 93, No. 9, May 1, 2003, p. 4955	
	51	H. MORICEAU, et al., New Layer Transfers Obtained by the SmartCut Process, Journal of Electronic Materials, Vol. 32, No. 8, 2003, pp. 829-835	

Examiner Signature		Date Considered	8/31/05
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